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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/566,944-Conf. #5346
				Filing Date	February 22, 2006
				First Named Inventor	Thorsten Zank
				Art Unit	1638
				Examiner Name	Elizabeth F. McElwain
Sheet	1	of	2	Attorney Docket Number	12810-00193-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA*	US-2004/0053379-A1	03-18-2004	Lerchl et al.	
	AB*	US-2008/0155705-A1	06-26-2008	Zank et al.	
	AC*	US-2009/0222951-A1	09-03-2009	Cirpus et al.	
	AD*	US-2010/0021976-A1	01-28-2010	Lerchl et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA	WO-02/081668-A2	10-17-2002	Abbott Laboratories		
	BB	WO-2005/083093-A2	09-09-2005	BASF Plant Science GmbH		See US 2008/0155705-A1 & US 2009/0222951-A1
	BC	DE-101 02 337-A1	07-25-2002	BASF Plant Science GmbH		See US 2004/0053379-A1 & US 2010/0021976-A1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	KAJIKAWA, M., et al., "Isolation and Functional Characterization of Fatty Acid $\Delta$ 5-Elongase Gene from the Liverwort <i>Marchantia polymorpha</i> L.", FEBS Letters, 2006, Vol. 580, pp. 149-154.	
	CB	ROBERT, S. S., et al., "Isolation and Characterisation of a $\Delta$ 5-Fatty Acid Elongase from the Marine Microalga <i>Pavlova salina</i> ", Mar. Biotechnol., 2009, Vol. 11, pp. 410-418.	
	CC	PEREIRA, S. L., et al., "Identification of Two Novel Microalgal Enzymes Involved in the Conversion of the $\omega$ 3-Fatty Acid, Eicosapentaenoic Acid, into Docosahexaenoic Acid", Biochem. J., 2004, Vol. 384, pp. 357-366.	
	CD	LEONARD, A. E., et al., "Elongation of Long-Chain Fatty Acids", Progress in Lipid Research, 2004, Vol. 43, pp. 36-54.	
	CE	SPERLING, P., et al., "The Evolution of Desaturases", Prostaglandins, Leukotrienes and Essential Fatty Acids, 2003, Vol. 68, pp. 73-95.	
	CF	DOMERGUE, F., et al., "New Insight into <i>Phaeodactylum tricornutum</i> Fatty Acid Metabolism. Cloning and Functional Characterization of Plastidial and Microsomal $\Delta$ 12-Fatty Acid Desaturases", Plant Physiology, 2003, Vol. 131, pp. 1648-1660.	
	CG	WU, G., et al., "Stepwise Engineering to Produce High Yields of Very Long-Chain Polyunsaturated Fatty Acids in Plants", Nature Biotechnology, 2005, Vol. 23, No. 8, pp. 1013-1017.	
	CH	NAKAMURA, M. T., et al., "Structure, Function, and Dietary Regulation of $\Delta$ 6, $\Delta$ 5, and $\Delta$ 9 Desaturases", Annu. Rev. Nutr., 2004, Vol. 24, pp. 345-376.	
	CI	"P. patens Delta6 Elongase SEQ ID 29", GeneSeq Database Accession No. ABG73608, March 25, 2003.	
	CJ	"Subname: Full = Polyunsaturated Fatty Acid Elongase elvol5a", UniProt Database Accession No. Q8AWE7, October 25, 2005.	

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	CK	"Polyunsaturated Fatty Acid Elongase (ELOVL Family Member 5, Elongation of Long Chain Fatty Acids) (YEAST)", UniProt Database Accession No. Q8AX86, March 1, 2003.	
	CL	"633167 NCCCWA 1RT Oncorhynchus Mykiss cDNA Clone 1RT126D03_B_B02 5', mRNA Sequence", EMBL Database Accession No. CA360014, November 7, 2002.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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